

# LIFTMODE

LIFTMODE  
47 W. Polk St. STE 100-241  
Chicago, IL 60605

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## CERTIFICATE OF ANALYSIS

### Baicalin

(Baicalein 7-O-glucuronide)

Material Lot #: 200301      Manufacturer Analysis Date: 03/10/2020  
Country of Origin: China      Analysis Date: 06/22/2020  
Retesting Date: 06/22/2023

Analysis	Claim	Result
Baicalin	≥95%	96.5%

Test	Specification	Result
H-NMR ID	Conforms	Conforms
HPLC Assay	≥95%	96.5%
Arsenic	≤1.5 ppm	<0.0 ppm
Lead	≤0.5 ppm	0.06 ppm
Cadmium	≤0.5 ppm	<0.05 ppm
Mercury	≤3 ppm	<0.01 ppm
Total Aerobic Count	<1,000 cfu/g	Conforms
Yeast & Mold	<100 cfu/g	Conforms
E.coli	<10 cfu/g	Conforms
Salmonella	Negative	Conforms
Coliform	<10 cfu/g	Conforms

Baicalin should be stored at or below room temperature in a tightly sealed durable container.  
Baicalin should be protected from excess heat, direct sunlight, excess humidity, and moisture.  
Baicalin has a retesting period of 3 years from the date of analysis when properly stored.



## Certificate of Analysis

**Client:**  
Synaptent LLC  
47 W Polk Street, 100-241  
Chicago, IL 60654

**Sample Collected By:** Client

Product Name	Baicalin	Product Lot Number	200301
Report Date	06/22/20	Laboratory Number	20060411

Description	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	96.5%
Lead	ICP-MS	0.06 ppm
Arsenic	ICP-MS	<0.03 ppm
Cadmium	ICP-MS	<0.05 ppm
Mercury	ICP-MS	<0.01 ppm
Total Aerobic Count	Biolumix	<100 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	<10 cfu/g
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Absent

Anhydrous basis

Collin Thomas *Collin Thomas*  
Laboratory Manager

06/22/2020 *06/22/20*  
Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

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**<sup>1</sup>H NMR of Baicalin**  
in DMSO  
Lot # 20060411  
Colmaric Analytical  
400MHz  
6-22-20

Current Data Parameters  
NAME 20060411-000-0001  
EXPNO 1  
PROCNO 1  
Date\_ 20200622  
Time 10:12:00  
INSTRUM spect  
PROBHD 5 mm PABBO-DE-1H  
PULPROG zgpg30  
TD 65536  
SOLVENT DMSO  
NS 32  
DS 4  
SWH 5508.350 Hz  
FIDRES 0.1528046 Hz  
AQ 31.1413 sec  
RG 655.359  
CW 519.01 usec  
TR 238.00 sec  
TE 300.2 K  
TD0 1.000000000  
===== CHANNEL f1 =====  
NUC1 <sup>1</sup>H  
P1 12.00 usec  
PL1 0.00 dB  
RG 655.359  
RF2 400.1250007 MHz  
SFO2 400.1250007 MHz  
PC3 - Processing parameters  
SI 32768  
SF 400.1250007 MHz  
WDW 0

